

---

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**


---

As the below-named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name.

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **"NICKEL-COATED FREE-STANDING SILICON CARBIDE STRUCTURE FOR SENSING FLUORO OR HALOGEN SPECIES IN SEMICONDUCTOR PROCESSING SYSTEMS, AND PROCESSES OF MAKING AND USING SAME"**, the specification of which

(check one)    ☒ is attached hereto.  
                   ☐ was filed on            as Application No.  
                   ☐ and was amended        (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination and patentability and examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

\_\_\_\_\_ ☐ yes    ☐ no  
 (Number)                      (Country)                      (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, §119(e) and/or §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this specification is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

US 10/273,036                      10/17/2002                      Pending  
 (Application Number)                      (Filing Date)                      (Status-Patented, Pending, abandoned)

\_\_\_\_\_  
 (Application Number)                      (Filing Date)                      (Status-Patented, Pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

WILLIAM RYANN, REG. NO. 44,313  
MARGARET CHAPPUIS, REG. NO. 45,735  
STEVEN J. HULTQUIST, REG. NO. 28,021  
MARIANNE FUIERER, REG. NO. 39,983  
TRISTAN FUIERER, REG. NO. 52,926

All correspondence in connection with this application should be sent to:

WILLIAM RYANN  
ATMI, Inc.  
7 Commerce Drive  
Danbury, CT 06810  
Telephone: (203) 794-1100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Inventor: **FRANK DIMEO JR.**

Inventor's Signature

*Frank Dimeo Jr.*

Date

*2/8/04*

Residence Address:

*27 CROWS*

*Nest Ln*

*196 DANBURY CT*  
*06810*

Citizenship:

*USA*

Mailing Address:

*same*

(if different from  
Residence Address)

Full Name of Second Inventor: **PHILIP S.H. CHEN**

Inventor's Signature

*Philip S.H. Chen*

Date

*2/8/04*

Residence Address:

*26 Budd Dr.*

*Bethel. CT 06801*

Citizenship:

*USA*

Mailing Address:

(if different from  
Residence Address)

Full Name of Third Inventor: **ING-SHIN CHEN**

Inventor's Signature  Date 2/18/04

Residence Address: 6 SLEEPY HOLLOW DRIVE, DANBURY, CT 06810

Citizenship: Taiwan

Mailing Address:  
(if different from  
Residence Address) \_\_\_\_\_

Full Name of Fourth Inventor: **JEFFREY W. NEUNER**

Inventor's Signature  Date 2-18-04

Residence Address: 141 Old Hawleyville Rd Bethel, CT 06801

Citizenship: USA

Mailing Address:  
(if different from  
Residence Address) \_\_\_\_\_

Full Name of Fifth Inventor: **JAMES WELCH**

Inventor's Signature  Date 2/12/04

Residence Address: 3 LANCASTER RD NEW FAIRFIELD, CT. 06810

Citizenship: USA

Mailing Address:  
(if different from  
Residence Address) \_\_\_\_\_